NATIONAL LIBRARY of MEDICINE

NEWS

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Special celebration, exhibit

Centenary of Index Medicus: 1879-1979

On May 25, at the National Library of Medicine, a gathering of members of the Board of Regents, physicians, historians, librarians, and NLM staff paid tribute to *Index Medicus* and to its creator and first editor, Dr. John Shaw Billings.

The normally quiet reading room of the History of Medicine Division was the scene of the program. A series of distinguished speakers. using Billings and the *Index Medicus* as a point of departure, discussed various aspects of physicians, books, and medical bibliography.

In his welcoming remarks NLM Director Martin M. Cummings, M.D., said that *Index Medicus* has proved so socially and scientifically useful that it has been able to overcome many adversities in its hundred years. He noted that 1979 is also the hundredth anniversary of the invention of the punched card and the construction of the first electric tabulating machine by Herman Hollerith, assisted by Dr. Billings. When Billings and his co-editor Dr. Robert Fletcher issued the first volumes, *Index Medicus* contained references to about 20,000 articles taken from 570 medical journals; today *Index Medicus* lists each year some 250,000 references from 2,500 journals. Dr. Cummings praised the work of those who, over the years, have indexed the literature on which *Index Medicus* is based.

The first director of what is now the National Library of Medicine was John Shaw Billings—a distinguished surgeon, architect, administrator, and librarian. This photograph of Dr. Billings was taken about 100 years ago when the first issue of Index Medicus was published under his editorship.

At the morning session, entitled "Medicine and Bibliography," guests and staff heard the following presentations: "Between Two Worlds: American Medicine in 1879," by Charles Rosenberg, Ph.D., Professor of History at the University of Pennsylvania; "The Nineteenth Century Medical Press," by Genevieve Miller, Ph.D., Director of the Howard Dittrick Museum of Historical Medicine, Cleveland; "Billings and Before: Nineteenth Century Medical Bibliography," by John B. Blake, Ph.D., Chief of NLM's History of Medicine Division; and "*Index Medicus* in the Twentieth Century," by Frank B. Rogers, M.D., former NLM Director. The moderator for the morning session was Kelly M. West, M.D., outgoing Chairman of the Board of Regents.

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NATIONAL LIBRARY OF MEDICINE
NEWS

Martin M. Cummings, M.D. Director, NLM

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The National Library of Medicine's Board of Regents at its meeting on May 24 elected S. Richardson Hill, Jr., M.D. as its Chairman. Dr. Hill, who will preside at the next Board meeting on October 4-5, replaces former Chairman Kelly M. West, M.D., whose term as a Regent expires in August. Dr. Hill is President of the University of Alabama in Birmingham.

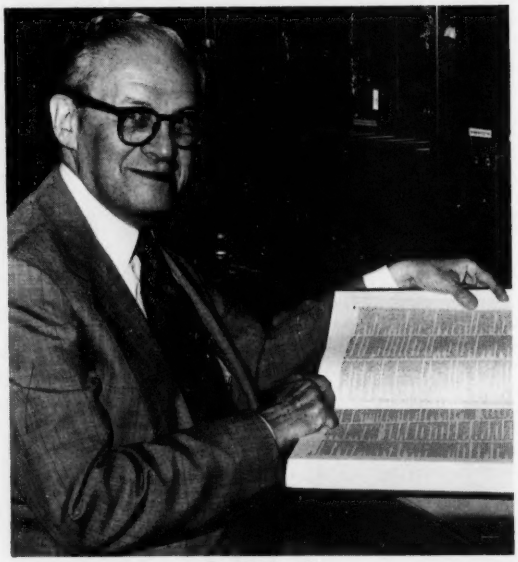
Editor of Index Medicus Appointed

Clifford A. Bachrach, M. D., has been named editor of *Index Medicus*. The monthly bibliography, containing references to articles from some 2500 biomedical journals, was first published by the Library in 1879 under the editorship of Dr. John Shaw Billings.

Dr. Bachrach will retain his present position as Chief of NLM's Medical Subject Headings Section where he is responsible for the development of the vocabulary used in indexing and cataloging. He is also responsible for overseeing the selection of the journals that are cited in *Index Medicus*.

As editor of *Index Medicus*, Dr. Bachrach will assume responsibility for all aspects of the publication's format and for instituting measures to ensure high quality in all steps of the production process.

Dr. Bachrach has served on the Library's staff since 1966 in the positions of Chief of the Bibliographic Services Division and Chief of the Medical Subject Headings Section. Prior to coming to NLM, he was with the National Heart Institute as a research epidemiologist.



Dr. Bachrach

Dr. Bachrach earned his medical degree from Cornell University and he also holds a master of public health degree from Johns Hopkins University.

(continued from page 1)

After lunch, William B. Bean, M.D., Kempner Professor and Director of the Institute for the Medical Humanities at the University of Texas Medical Branch at Galveston, presided over a session entitled "The Physician and His Books." Presentations in this session were on "The Physician as Bibliographer and Bibliophile," by K. Garth Huston, M.D., of Los Angeles, and "The Physician as Scholar," by Saul Jarcho, M.D., of New York City.

The Index Medicus celebration brought together three directors of the National Library of Medicine. From the left, Frank B. Rogers, M.D. (1949-63), Martin M. Cummings, M.D. (1964-), and Joseph H. McNinch, M.D. (1946-49).

Regents Dinner

At the Board of Regents dinner on May 24, 120 guests were treated to a presentation by Dr. William B. Bean—"A Sampler of Medical Libraries: Some Notes on the Care and Feeding of Books and Readers," an informal talk, with slides.

The arrangements for the program were coordinated by John B. Blake, Ph.D., Chief of the History of Medicine Division.

Exhibit on Index Medicus

An exhibit tracing the development of *Index Medicus* from its first issuance in 1879 to the present time is now on display in NLM's lobby. The exhibit, prepared by Manfred J. Waserman of the History of Medicine Division, will continue through 1979.

"The Centenary of Index Medicus," as the exhibit is titled, explores the roles of the American Medical Association and the Carnegie Foundation of Washington in sustaining and publishing *Index Medicus*, and the challenge posed by the ever-increasing quantity of medical periodical literature. Among the items on display are unpublished letters of John Shaw Billings, William S. Halsted, and Fielding H. Garrison; photographs and printed materials, including a number of issues of *Index Medicus* considered important in its evolution; and several significant medical bibliographies which preceded *Index Medicus*.

Although the mechanism for producing *Index Medicus* has changed radically over the years—today it is produced using NLM's computerized Medical Literature Analysis and Retrieval System (MEDLARS) and high-speed photocomposition equipment—its basic purpose has remained the same. This purpose was announced in the prospectus of Volume 1, Number 1:

> The practitioner will find the titles of parallels for his anomalous cases... and the latest methods in therapeutics. The teacher will observe what is being written or taught by the masters of his art in all countries. The author will be enabled to add the latest views and cases to his forthcoming work, or to discover where he has been anticipated by other writers.

As the Library's present director, Dr. Cummings, expressed recently, "The National Library of Medicine is proud of the bibliographic tradition represented by *Index Medicus*. Over the decades many people have carried on the work begun by Billings. Although computers now assist in its production, *Index Medicus* is still first and foremost a product of human intellect—from the biomedical research it references to the indexing that makes it a most useful tool for science."

Pacific Southwest Regional Medical Library Service

By Phyllis S. Mirsky*

It seems appropriate as the Pacific Southwest Regional Medical Library Service (PSRMLS) nears the completion of its tenth year of operation to recount briefly the development of regional medical library services in Arizona, California, Hawaii, and Nevada. Ten years is a milestone which provides an excellent point in time at which to analyze and evaluate an RML program's activities. By building upon the strengths of our past we can determine the direction of our next decade's activities.

Perhaps the greatest asset PSRMLS has enjoyed has been a highly adaptable regional plan and an exceptionally cooperative attitude among the resource and other librarians of the region. Originally developed in 1968 with participation from a cross section of the health care institutions and professionals in Region XI, the regional plan has been flexible enough to accommodate the incorporation of a regional online network and changes in the document delivery configuration.

Consulting and Training

PSRMLS has traditionally maintained a very active consulting and training program geared especially to individuals working in hospital libraries. By working with individual hospital librarians and sponsoring numerous workshops, PSRMLS has assisted many of the Region's hospitals in establishing, reorganizing, or developing their library services. PSRMLS training staff have traveled throughout the four-state region to present workshop sessions.

Currently, workshops are presented on a variety of topics, including "Organization, Management and Services of a Small Hospital Library," "Reference Sources for Hospital Libraries," "Administrative Management, Budgeting and Reporting for Hospital Libraries," and "Policy and Procedure Manuals for Hospital Libraries." The main advantage to holding these sessions in the field has been the development of local cooperation and the lessening of the feeling of isolation that many library personnel in small institutions experience. The resource libraries in the Region have generously donated their staff time to assist PSRMLS staff in presenting a number of these sessions.

PSRMLS has recently undertaken an extensive evaluation of its consulting and training activities. We hope to determine the effect these activities have had on library development in the Region. This information should be available shortly.

PSRMLS staff conduct several online training classes during the year. Michael Homan, former Head of the PSRMLS Information Services Section, helps Marlene Goodwin (San Bernadino Community Hospital, San Bernardino, CA), Corinne Willison (IBM Corporation, San Jose, CA), and Audrey Barton (Fountain Valley Community Hospital, Fountain Valley, CA).

Information Services

The information services staff maintained a very active online training program as part of the National Library of Medicine's online training effort. Classes are held several times a year at UCLA for both initial and advanced training (see photo). PSRMLS staff also participate as instructors in NLM classes held at other field locations. As of March 1, 1979 there were 147 online centers in Region XI. Sixty-five of these are based in hospital libraries. PSRMLS staff maintain close communication with the online centers through a quarterly publication entitled the *MEDLINER*

* This article was prepared in March when Mrs. Mirsky was Associate Director, PSRMLS, UCLA Biomedical Library, Los Angeles, CA 90024. Mrs. Mirsky is currently Head, Reference Section, NLM. This article continues a series on the Regional Medical Libraries begun in the June 1978 *NLM News*; the series concludes next month with the New England Regional Medical Library Service.

and through periodic update and clinic sessions held throughout the Region.

Document Delivery

PSRMLS has operated as a centralized RML since its inception in 1969. Under its plan of operation, PSRMLS has provided subsidized backup interlibrary loan service from two locations—UCLA and the University of California, San Francisco. The resource libraries in the Region (predominately those at the medical schools) have assumed the voluntary role of providing interlibrary loan service to the institutions in their respective geographic areas. Because these resource libraries did not receive any special funding for this service, most of them have levied a fee for the service. Payment for service has not appeared to be a deterrent to use as shown by continued increases over the past five years in the number of requests filled by resource libraries. In 1973/74, 53,917 requests were filled by PSRMLS's 11 resource libraries whereas in 1977/78, 84,198 requests were filled.

Beginning in 1975 and continuing each year, PSRMLS has decreased the quota of RML-subsidized loans available to the Region's health science libraries. This gradual phase-out of subsidization has allowed sufficient time for planning the shift to total local support which will occur July 1, 1979. As of that date a formal referral network will be established to transfer quickly and efficiently requests which cannot be filled locally. This should decrease the time necessary for filling requests and improve service throughout the Region.

COSAP

The Region XI Cooperative Serials Acquisitions Program (COSAP) was funded by an NLM Resource Project Grant from June 1976 through 1978. Administered by PSRMLS, the project was successful in developing a serials resource-sharing plan among the Region's resource libraries and in evolving an efficient methodology for maintaining the plan. The SERLINE® data base in conjunction with Infodata Systems Inc. INQUIRE® programs was used to communicate serials acquisitions decisions. Commitments have been made by the resource libraries for retention of titles which were held by one to four libraries, as these titles were considered to be "at risk" for loss from the Region through uncoordinated cancellations.

Resource Grants

Several institutions in Region XI have received Resource Grants from the NLM; the following highlights just two of them. Merced Community Hospital in Merced, California, was the first institution in our Region to receive funding for the development of a consortium under the Improvement Grant mechanism. The Merced County Health Information Consortium, now in its second year of operation, includes in addition to Merced Community Hospital, Mercy Hospital, Merced College, Merced County Library, and USAF Castle Hospital (Castle AFB). The close cooperation among these different types of institutions is assuring greater accessibility and availability of health-science literature to health professionals in this central California county.

As part of a Resource Project Grant, the University of Southern California, Norris Medical Library and its Schools of Medicine and Pharmacy are offering continuing education to physicians in their private offices. A committee of USC physicians, pharmacists, and a Norris librarian specializing in the drug literature, review physicians' prescribing patterns. After identifying specific needs, the committee sends to the physicians recommendations regarding drug use plus supporting literature. The project then measures resultant changes in drug therapy.

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The Pacific Southwest Regional Medical Library Service's first decade has been marked by significant achievements in consulting and training, information services, and document delivery. This progress has been greatly facilitated by the spirit of cooperation among the many health science librarians in Region XI. We look forward to capitalizing on this cooperation as we begin our second decade of operation.

NLM/RML Planning Meeting

A joint NLM/RML planning meeting to assess the progress of the Regional Medical Library program and to suggest ways of improving the effectiveness and efficiency of the national netwerk was held April 19-21. Specifically, the session was convened to (1) review the original mission and specific goals of the RML program, (2) make an assessment of whether the original mission and goals are still viable, (3) review the service components of the program in terms of their successes/failure, (4) identify the key issues presently before the program and their relationship to existing or planned RML service components, and (5) lay the groundwork to plan development of mechanisms to assure the sound evaluation of current programs and the inclusion of appropriate evaluation techniques in the design of future RML programs.

In his opening remarks, NLM Director Martin M. Cummings, M.D., emphasized the importance of cooperation and sharing within the network and the need to develop a philosophical framework in which each RML participates in a coherent national system.

Seven specific issues were identified for discussion at the meeting, and several task forces were created to continue to work on these concerns:

- measurement of RML performance;
- RML network configuration;
- content and format for future RML directors' meetings;
- basic services to be provided by RMLs;
- improvement of the communication process;
- funding sources and competitive contracts; and
- network components' roles and responsibilities.

Further consideration will be given to these issues at future meetings of the RML directors.

1979-80 Internships Announced for Health Science Library Management

The National Library of Medicine and the Council on Library Resources have announced the names of the successful candidates for three internships in health sciences library management for the 1979-80 academic year. Selected from 19 applicants, the three new interns are listed below with their present positions. The interns will spend the coming academic year working closely with the director and top administrative staff of the host library. The purpose of the CLR/NLM Health Sciences Library Management Intern Program, now in its second year, is to assist in developing managers for the nation's academic health sciences libraries.

- June E. Bandemer
  Assistant Director
  Falk Library of the Health Professions
  University of Pittsburg
  Host: Health Sciences Library
  State University of New York
  at Buffalo

- Eleanor Goodchild
  Director, Library Services
  Los Angeles County Harbor - UCLA Medical Center
  Host: Houston Academy of Medicine
  Texas Medical Center Library

- Leonoor S. Ingraham
  Head, Public Services
  Health Science Library
  University of Oregon Health Sciences Center
  Host: Health Sciences Library
  University of Washington
  Seattle, Washington

The Health Sciences Library Management Intern Program is funded by the National Library of Medicine and administered under a contract by CLR. For further information, write:

Council on Library Resources
One Dupont Circle
Suite 620
Washington, D.C. 20036

AV Materials for Nursing Education

The National League for Nursing held its 14th Biennial Convention and Exhibition in Atlanta, April 30 - May 4, 1979.

As a part of a briefing session on "Teaching Nurses to Use Multimedia Learning Resources," sponsored by the Interagency Council on Library Resources for Nursing, Susan M. Sparks, Ph.D., Chief, Instructional Materials Design and Development Section, NMAC, advised participants on selecting appropriate and quality audiovisuals.

Dr. Sparks said that selection of audiovisual materials is a process of evaluation — evaluation on the basis of general factors such as content, instructional design, and technical quality; and evaluation on the basis of specific use factors such as the degree of compatibility with objectives, with student learning styles, with intended implementation, and with budget. Sources of information about audiovisuals, such as product data, professional counterpart appraisals, AVLINE citations, abstracts/excerpts, demonstrations, and previewing, vary in their capacity to afford adequate evaluation. Previewing the audiovisuals and "testing" them with a representative sample of students affords the most comprehensive basis for evaluation.

Participants were invited to visit the National Medical Audiovisual Center during the convention.

NMAC Teaching Aids Available

The documents listed below, sponsored by the Library's National Medical Audiovisual Center, are available at the prices quoted (or $3 microfiche) from the National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161

- *Teaching Interpersonal Skills to Health Professionals* Vol. I, $11, NTIS Report No. PB-294-544; Vol. II, $24, PB-294-545. Prepared by Barry F. Cohen, Ph.D. and Ted W. Friel, Ph.D. (Carkhuff Associates, Inc., Amherst, MA. Volume I (290 pages) contains a review of the literature focusing on the teaching of interpersonal skills to health professionals using videotechnology. It includes an annotated bibliography. It also contains the findings of a three-stage survey which investigated the teaching of interpersonal skills to family practice residents, nurse practitioners, medical students, and physician assistants. Volume II (823 pages) presents survey findings for 393 instructional programs which focus on the teaching of interpersonal skills. Included are a substantial number of details about these programs (what skills are being taught, who does the teaching, how the learning is evaluated, how videotechnology is used to teach interpersonal skills, etc.).

- *Shock: Pathophysiology and Implications for Nursing Care* (Self-instructional Unit); $6, PB-292-951. The unit was developed from material acquired through the Health Science Consortium and prepared by the Methodist Hospital School of Nursing, Memphis, TN. It presents information which will assist the nurse in early detection of an appropriate nursing intervention in shock, including review of basic concepts of hemodynamics and physiologic mechanisms. (Details of therapy are not included, because treatment is the responsibility of the physician, and because many aspects of treatment are very individualized and/or controversial.)

1978 RTECS Available

The 1978 edition of the *Registry of Toxic Effects of Chemical Substances* (RTECS), with quarterly update, is now available online at the National Library of Medicine.

This computer-based file (see *News*, Nov. 1977) contains toxicity data for 36,000 substances known by 125,000 names. The published version of the data base, which is compiled by the National Institute for Occupational Safety and Health, will be available later this year (price and GPO order number to be announced by NIOSH). Meanwhile, users have rapid access to the information in the Registry via NLM's computer system. (*RTECS* is now also available on microfiche, quarterly, from the U.S. Government Printing Office.)

This new version of RTECS online also includes a monthly date to indicate when a new substance was added to the Registry or information in previous records was changed or added. This new feature began in February 1979.

For further information on RTECS, contact the Toxicology Information Program, National Library of Medicine, Bethesda, MD 20209.

Health Planning Center Request Documents To Expand Its File

The National Health Planning Information Center (NHPIC) of HEW's Health Resources

Administration is one of the sources for citations appearing in NLM's Health Planning and Administration data base (*News*, Oct.-Nov. 1978). To help enrich its file, the NHPIC is requesting that health planning researches, analysts, and practitioners submit documents which report their research or describe their experiences. Examples of topics of current interest include system and community models, utilization and cost studies, forecasting methods, and evaluation techniques. While the file includes both published and unpublished material, NHPIC is looking especially for such unpublished documents as government reports, dissertations, and papers.

Documents should be sent to NHPIC/Acquisitions (Dept. NR), P.O. Box 1600, Prince George's Plaza Branch, Hyattsville, Maryland 20788; or call 301-927-6410 for more information.

NLM/LC: Technical Processing

Representatives from the National Library of Medicine, the Library of Congress, and the Medical Library Association recently met to try to resolve some of the long-standing differences between the two national libraries in the technical processing of medically related materials. The meeting, held at the Library of Congress on April 30, had been sought by MLA, and coincided with plans of LC and NLM to try to eliminate, or at least minimize, the differences between them.

The purpose of the meeting was to identify the major problems and plan an agenda based on matters to be resolved in the near future and those that will require long-range solutions. Inevitably, it also provided an excellent communications channel to keep each library up to date on critical developments.

Virginia Holtz, representing MLA, highlighted three "tiers" of problems based on NLM/LC differences:

- lack of a common authority file, lack of a common bibliographic description for material held in common;
- different classification systems, different subject headings thesauri;
- the sense of isolation users of medical information have when it comes to important decisions in the handling of such information.

Major topics of discussion were LC's and NLM's acquisitions policies regarding medical material, and NLM's adoption of AACR 2. Suggestions were made as to how the two libraries might investigate reducing areas of duplicate collecting without either library's impairing the value of its holdings to its patrons.

NLM will follow the AACR 2 options that the ABACUS group of national libraries (Australia, Britain, Canada, and LC) has agreed to follow, as well as the rule interpretations LC has adopted. NLM indicated that it will also consider a cooperative approach to handling name authorities.

The group did not see any way to merge the different subject headings used by LC and NLM. Instead, the best compromise would appear to be a machine-readable record held in common to which either library (or both) could add its own subject heading(s).

Finally, several mechanisms were identified whereby users of medical information could keep abreast of library developments and supply input before critical decisions were made.

A number of topics for further discussion were decided upon, and the group agreed to have its next meeting in mid-July.

Representing NLM:
Dr. Joseph Leiter
Associate Director, Library Operations
James Barry
Deputy Associate Director
Library Operations
Lillian Kozuma
Head, Cataloging Section
Sally Sinn
Assistant Head, Cataloging Section

Representing LC:
Joseph Howard
Assistant Librarian for Processing Services
Lucia Rather
Director for Cataloging Operations
Processing Services
Frank McGowan
Director for Acquisitions and Overseas Operations
Processing Services
Mary K. Pietris
Chief, Subject Cataloging Division
Processing Services

Representing MLA:
Virginia Holtz
Director, Health Sciences Library
University of Wisconsin
Olyn Ruxin
Head Catalog Librarian
Cleveland Health Sciences Library

Director's Honor Award

Mr. Hartman

At the May 24 meeting of the NLM Board of Regents, Martin M. Cummings, M.D., presented the NLM Director's Honor Award to James J. Hartman, Chief of the Office of Personnel Management. In making the award, Dr. Cummings cited Mr. Hartman for "your outstanding performance in providing a sound personnel management program for the National Library of Medicine...Your sincere interest in our employees, combined with superb administrative skills, have resulted in improved planning and operations. Your high level of achievement and sustained support have contributed significantly to the Library's accomplishments."

Personnel Notes

Appointments

- *John W. Cox* has been named Deputy Director of the Office of Computer and Communications Systems. Mr. Cox had been Chief of the MEDLARS Support Branch within OCCS; he will continue to be responsible for this Branch as Acting Chief.
- Within the Technical Services Division of Library Operations, *Elizabeth Myers* has been appointed Deputy Chief, and *Linda W. Kudrick* has been named Assistant Head of the Selection/Acquisition Section. Mrs. Myers and Ms. Kudrick will continue their previous duties as Head of the Serial Records Section and AVLINE Coordinator, respectively.

Gains

- *Audrey Brown*, Library Technician, Reference Services Division
- *Lee Clune*, Secretary, Office of the Director
- *Elaine Libman*, Secretary, Technical Services Division
- *A. Donald Merritt*, M.D., Medical Officer, Lister Hill Center

Losses

- *Gerhard Brown*, Technical Information Specialist, Bibliographic Services Division
- *James Cain*, Librarian, Technical Services Division
- *Ellen Friedman*, Secretary, Technical Services Division
- *Lillian Gross*, Secretary, Office of the Director
- *T. Dan Tonkery*, Administrative Librarian, Technical Services Division

Serial Gap List

NLM is soliciting the help of the medical library community in filling gaps in our serial collections. If you can provide any of these items we would be most grateful. Please address them to:

National Library of Medicine
TSD-GAPS
Bethesda, Maryland 20209

Annual Report: Institute of Reconstructive Plastic Surgery 1968

Bulletin—Medical Division, Bureau of Workmen's Compensation Nos. 1, 2: 1923

Journal of Applied Behavioral Science 1: 1, 4, 1965; 11: 1, 1975; 14: 1-3, 1978

Monographs of the Physiological Society of Philadelphia Vol. 1, 1975; Vol. 3

Multivariate Behavioral Research Monographs 1-3, 1968; 3; 1969; 1-3, 1970; 3, 1971; 1-3, 1973; 1-3, 1974; 2, 3, 1975

NACDL Journal 15: 7, 1968; 16: 7, 1969; 17: 8, 1970

National Eclectic Medical Quarterly 55: 3, 4, 1964; 56: 3, 4 1965; 57: 1-4, 1965; 58: 1, 2, 1966

National Sanitation Foundation Standards Nos. 2, 3, 5

NCA News 17: 4, 1967; 20: 5-8, 1970

NCOA Reports on the Aging 2: 1, 1970; 4: 1, 1972

Neighborhood Health Center Seminar Monograph Series Vol. 2

New Directions in Psychotherapy I: 1976

New Human Services Review 1: 1-3; 1974; 3: 3, 4, 1977; 4: 1-2, 1977

New Vistas in Counseling Series Vol. 6

Newer Methods of Nutritional Biochemistry Vols. 2, 3

News - American Thoracic Society 1: 1-3; 1975; 2: 1-3, 1976; 3: 2, 3, 1977; 4: 1, 1978

(continued from page 9)

News About Medical Education 1: 1-4, 1967; 2: 1, 3, 6, 1968; 3: 2, 1969; 5: 2, 1971; 6: 1, 2, 1972; 7: 1.3, 1973; 8: 2, 4, 1974; 9: 2, 3, 1975; 11: 2, 1977

News Quarterly; Sanitary Engineering Research Laboratory; University of California, Berkeley 21: 2, 4, 1971; 22: 1, 2, 1972; 25: 3, 4, 1975

NY State Pharmacist 52: 6, 1977; 53: 2, 1978

NYSSA Sphere 24: 2, 1972

Proceedings; National Conference on World Health Vols. 1-7

Exhibit To Honor Lung Association

The American Lung Association and the National Library of Medicine will collaborate on an exhibit to mark the 75th anniversary of the Association in 1980. The exhibit, to draw on NLM's collection of published literature, manuscripts, and pictorial resources, will open next May, coinciding with the Association's annual meeting in Washington, D.C., and be on display in NLM's lobby through August 1980.

Peter D. Olch, M.D., Deputy Director of the Library's History of Medicine Division, and Robert Anderson, M.D., of the Association, are assembling the historical materials to be displayed.

NLM Summer Hours Begin

Beginning May 29, the hours for the National Library of Medicine's Reading Room are 8:30 a.m. to 5:00 p.m. Monday through Saturday (closed Sundays). The Library will be closed on Independence Day (July 4) and over the Labor Day weekend (September 1-3). Regular hours (open weekdays until 9:00 p.m., Saturdays until 5:00 p.m.) resume September 4.

NLM was the site of a balloon ascent on May 12 by three members of the Aerospace Medical Association, who with other members of the Association had gathered at the Library to celebrate the Association's 50th anniversary and to view an exhibit on aviation medicine (News, February 1979). After a welcome by NLM Director Martin M. Cummings, M.D., a crowd of about 200 cheered as balloonist Clayton L. Thomas, M.D., of Palmer Massachusetts, along with companions Douglas H. Robinson, M.D., and Robert J. Benford, M.D., lifted skyward. The balloon wafted westward and landed safely several hours later in a field near Potomac, Maryland.

Drs. Robinson and Benford have both published works on the history of aviation medicine. Dr. Benford's recent work—The Heritage of Aviation Medicine: An Annotated Directory of Early Artifacts (Washington, D.C.: Aerospace Medical Association, 1979)—was supported by an NLM publication grant.

Publication Grant Program

The Library's Publication Grant Program provides limited financial support for the preparation and/or publication of biomedical works. Projects which require large-scale or long-term support (beyond a maximum of three years) are not appropriate for the program. Also, support is not provided for the publication of textbooks or other commercially viable products, curriculum materials, initial reporting of research findings, proceedings of meetings, or materials that would have only local interest.

Some of the recent publications resulting from NLM support under provisions of the Medical Library Assistance Act are listed below. *Note:* The National Library of Medicine does not distribute any of these publications; all correspondence regarding their distribution must be directed to the publishers.

Alexander, John T. "Communicable Disease, Anti-epidemic Policies, and the Role of Medical Professionals in Russia, 1725-62," *Canadian-American Slavic Studies*, Vol. 12, No. 1, Spring 1978, pp. 154-69.

_____. "Medical Professionals and Public Health in 'Doldrums' Russia (1725-62)," *Canadian-American Slavic Studies*, Vol. 12, No. 1 Spring 1978, pp. 116-35.

Allen, Virgina E. " 'When We Settle Down, We Grow Pale and Die': Health in Western Indian Territory," *The Journal of the Oklahoma State Medical Association*, Vol. 70, No. 6, June 1977, pp. 227-232.

Barger, A.C., Porter, William Townsend. In: *Dictionary of American Biography*, Supplement Four 1946-1950. E.T. James, ed. N.Y.: Charles Schribner's Sons, 1974, pp. 675-677.

Benford, Robert J. *The Heritage of Aviation Medicine: An Annotated Directory of Early Artifacts.* Washington, D.C.: Aerospace Medical Association, 1979. 122 pp.

Binford, Chapman H. and Connor, Daniel H. (eds.). *Pathology of Tropical and Extraordinary Diseases. An Atlas.* Vol. Two. Washington, D.C. Armed Forces Institute of Pathology, 1976. 696 pp.

Blair, Margaret Berry and Howard, R. Palmer. "Scalpel in a Saddlebag: The Story of a Physician in Indian Territory; Virgil Berry, M.D. *Journal of the Oklahoma State Medical Association*, Vol. 71, October 1978, pp. 387-398; November 1978, pp. 427-433; December 1978, pp. 460-467; Vol. 72, January 1979, pp. 15-20.

Breeden, James O. "In the Beginning(s)? A chapter in Antebellum American Ethnology," *Translations & Studies of the College of Physicians of Philadelphia*, Vol. 40, April 1978.

Davis, J. C. and Hunt, T.K. (eds.). *Hyperbaric Oxygen Therapy.* Bethesda, Maryland: Undersea Medical Society, Inc., 1977. 348 pp.

Debus, Allen G. "Chemistry, Pharmacy and Cosmology: A Renaissance Union," *Pharmacy in History*, Vol. 20, No. 4, 1978, pp. 127-137

DeFelice, Louis J. "Fluctuation Analysis in Neurobiology," *International Review of Neurobiology*, Vol. 20, 1977, pp. 169-208.

_____. and Sokol, Barry A. "A New Analysis for Membrane Noise," *Biophysical Journal*, Vol. 16, 1976, pp. 827-838.

DeHaan, Robert L. and DeFelice, Louis J. "Oscillatory Properties and Excitability of the Heart Cell Membrane," *Theoretical Chemistry*, Vol. 4, 1978. pp. 181-233

Doetsch, Raymond N. "Benjamin Marten and His 'New Theory of Consumptions,' "*Microbiological Reviews*, September 1978, p. 521-528.

Forbes, Thomas R. "The Case of the Casual Chirurgeon," *The Yale Journal of Biology and Medicine*, Vol. 51, 1978, pp. 583-588

_____. "Coroners' Inquisitions on the Deaths of Prisoners in the Hulks at Portsmouth, England, in 1817-27," *Journal of the History of Medicine and Allied Sciences*, Inc. Vol. 33, No. 3, July 1978 pp.356-366.

Gelfand, Toby. "A clinical Ideal: Paris 1789," *Bulletin of the History of Medicine, Vol. 51, 1977, pp. 397-411.*

_____. "Medical Professionals and Charlatans. The Comite de Salubrite enquete of 1790-91," *Histoire sociale - Social History*, Vol. XI, No. 21, March-May 1978, pp. 62-97.

Gifford, James F. Jr. (ed.). *Undergraduate Medical Education and the Elective System: Experience with the Duke Curriculum, 1966-75.* Durham, N.C.: Duke University Press, 1978. 243 pp.

Grob, Gerald N. *Edward Jarvis and the Medical World of Nineteenth-Century America.* Knoxville, Tennessee: The University of Tennessee Press, 1978. 300 pp.

Haber, Carole. "The Old Folks at Home: The Development of Institutionalized Care for the Aged in Nineteenth-Century Philadelphia," *The Pennsylvania Magazine of History and Biography*, Vol. 101, No. 2, April, 1977, pp.240-257.

Harbach, Ralph E. and Knight, Kenneth L. "A Mosquito Taxonomic Glossary XV. The Egg," *Mosquito Systematics*, Vol. 10, No. 2, 1978, pp. 249-299.

_____. "A Mosquito Taxonomic Glossary XVI. Vestiture," *Mosquito Systematics*, Vol. 10, No. 4, 1979, pp. 540-564.

_____. "A Mosquito Taxonomic Glossary. XIV. The Larval Body (except Chaetotaxy), *Mosquito Systematics*. Vol. 10, No. 1, 1978 pp. 53-105.

Hoogstraal, H. *Bibliography of Ticks and Tickbourne Diseases* Vol. 5, Part II, Cairo, Egypt: U.S. Naval Medical Research Unit, No. 3, 1978. 455 pp.

Howard, R. Palmer, "Oklahoma Medicine in the First Year of the 46th State—1908," *Bulletin of the Oklahoma County Medical Society*, Vol. 49, May 1977, p. 17.

_____. "Chiropractic Licensing Was Defeated in Our Legislature in 1908," *Bulletin of the Oklahoma County Medical Society*, Vo. 49, No. 8, October 1977, p.5.

_____. "Guthrie and Logan County Medical Societies Since 1889," *Bulletin of the Oklahoma County Medical Society*, Vol. 50, No. 3, March 1978, p. 33.

Jarcho, Saul. "Christopher Packe (1686-1749): Physician-Cartographer of Kent," *Journal of the History of Medicine and Allied Sciences*. Vol. 33, No. 1, January 1978, pp. 47-52.

Jones, Russel M. *The Parisian Education of an American Surgeon: Letters of Jonathan Mason Warren (1832-1835)*. With Notes and Introduction by Russell M. Jones. Philadelphia, Pa.: The American Philosophical Society, 1978. 266 pp.

King, Lester S. "The Philosophy of Medicine; The Early Eighteenth Century. Cambridge, Mass.: Harvard University Press, 1978. 291 pp.

Knight, Kenneth L. and Harbach, Ralph E. "Maxillae of Fourth Stage Mosquito Larvae (Diptera: Culicidae)," *Mosquito Systematics*, Vol. 9, No. 4, 1977, pp. 455-477.

Kohler, Robert E. "Walter Fletcher, F.G. Hopkins, and the Dunn Institute of Biochemistry: A Case Study in the Patronage of Science, *ISIS*, Vol. 69, No. 248, 1978, pp. 331-355.

Lyle, Katherine Ch'iu, and Segal, Sheldon J. (Eds.). *International Family-Planning Programs, 1966-1975: A Bibliography*. University, Alabama: The University of Alabama Press, 1977. 207 pp.

Niebyl, Peter H. "The English Bloodletting Revolution, or Modern Medicine Before 1850," *Bulletin of the History of Medicine*, Vol. 51, 1977, pp. 464-483.

(To be continued in July issue.)

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